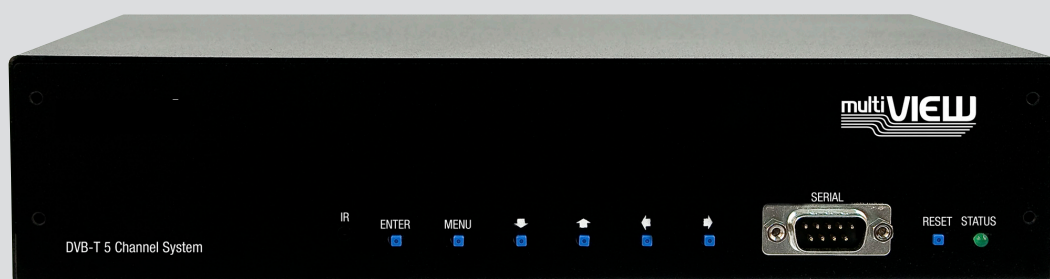


Multiview T-35



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DVB-T to PAL / 5 channels on all TV's

Multiview

Multiview can receive up to 3 DVB-T Multiplexes at the same time. From the available programs 5 can be selected to be converted to PAL and distributed to all TV's in the building, house or school. Multiview is connected after the antenna and before the signal is distributed in the property. Five digital programs which are converted to analogue can now be distributed along with the digital signals throughout the building. Existing "Digital Ready" TV sets and Set-Top Boxes can continue to receive digital programs. Multiview also allows the use of existing analogue equipment such as VCR's or DVD recorders so users can continue to watch one program whilst recording another.

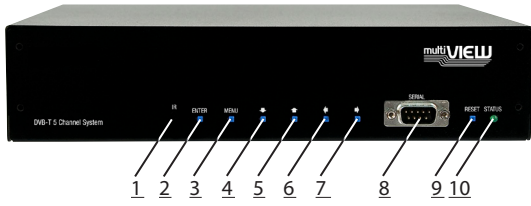
Features

- Low Power Consumption (15 W)
- VBI and DVB subtitles
- Automatic Installation
- Subtitles and Audio preference selectable per channel
- IR Sensor (Optional Remote Control for setup)
- Use more than one Multiview to create Multi-Channel systems
- EPG transmitted on Teletext (broadcaster dependant)

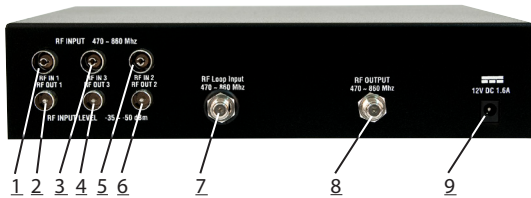
Caution!

- Never Open the receiver
- Place the receiver in a well ventilated area
- The receiver should not be exposed to dripping or splashing liquids
- No object filled with liquid may be placed on the apparatus
- The mains connection plug must not be blocked & must remain visible so that power to the appliance can be quickly isolated
- Menu options and appearance may change in future software
- Always perform a new channel scan after downloading new software

Front and Rear Panel



1. Remote control sensor.
2. Enter–Accept menu options.
3. Menu
–Enter menu.
–Exit and save.
4. Down–Move down in menu.
5. Up–Move up in menu.
6. Left–Scroll options in menu.
7. Right–Scroll options in menu.
8. Data-port for software upgrade.
9. Reset–Perform reset without changing settings.
10. Status Indicator.



1. RF-In 1
2. RF-Out 1 (loop to RF In 2)
3. RF-In 3
4. RF-Out 3 (loop to RF Loop Input if required)
5. RF-In 2
6. RF-Out 2 (loop to RF In 3)
7. RF Loop Input
–For sending antenna signal with output.
8. RF-Out 470~860 MHz (analogue+digital).
9. Power Supply 12 V DC, 1.6 A.

Important!
See page 5 for tips on the installation of antenna and signal quality

Connections



Antenna signal is looped between the RF In, RF Out & RF Loop for both analogue & digital signals.

Programming

Multiview is preset to output on RF channels 40, 43, 46, 50 & 37. The menu is shown only on the first RF output which is channel 40 as default. If this output channel is changed please re-tune the TV to continue setup.

Management of Multiview

The receiver is setup with the front panel buttons or the optional remote control. When changes are made these will be saved when the MENU button is pressed to exit the menu and the unit will be re-initialised with the new settings.

Main Menu

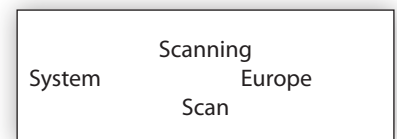
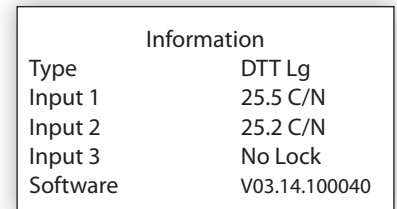
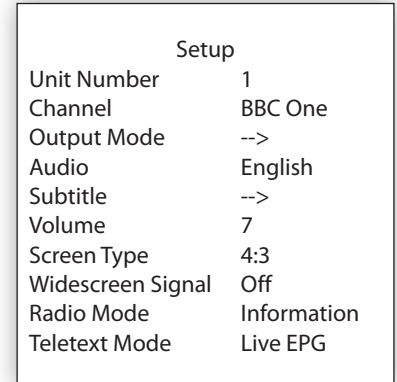
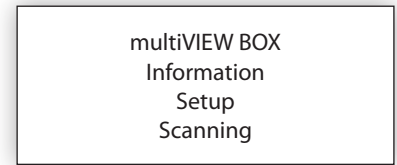
Contains three options, "Information" (shows receiver status), "Setup" (receiver settings and program selection) and "Scanning" (channel searching).

Initial Setup

Start by performing a channel scan (Scan Menu) then adjust output channel options and settings (Setup menu).

Channel Search

1. Press MENU & scroll down to "Scanning" and press ENTER.
2. Choose Europe for system with left arrow.
3. Scroll down to "Scan" and press ENTER.
4. After channel scanning go to the Setup menu for additional options.



Information

Information Menu

1. Press MENU and scroll down to "Information" and press ENTER.

Displays information about the signal quality of the various inputs and software version. No changes can be made here.

- Type
- Input 1
- Input 2
- Input 3
- Software

Signal Quality

No Lock Indicates the input is not used (reduces power consumption) or the signal is not connected.

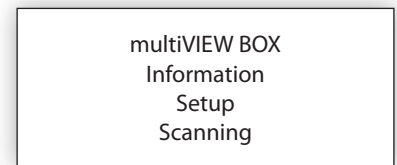
- < 19 Poor signal with continuous interruptions
- 20–22 Occasional interruption
- 23–25 Normally perfect reception
- > 26 Excellent reception

Software

Shows software version running in receiver.

Signal Level

For best results input signal level should be ~60-65 dBuV



A screenshot of the multiVIEW BOX Information menu showing signal quality and software version. The text is as follows:

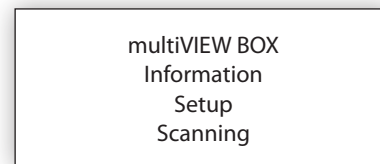
Type	Information
Type	DTT Lg
Input 1	25.5 C/N
Input 2	25.2 C/N
Input 3	No Lock
Software	V03.14.100040

Settings "Setup"

Channel Selection and Settings

1. Press MENU and scroll down to "Setup" and press ENTER.

Settings for each receiver (Unit) can be adjusted. Check carefully on the first line the "Unit Number" is the one desired before making any changes.



Unit Number

Shows Receiver Output (Unit) number.

- Press right arrow to select desired Unit.
- Press down arrow for additional options.

Channel

Channel Selection.

- Press ENTER to channel program menu.
- Press down/up to select desired channel.
- Press MENU to return to Setup menu.
- Press down arrow for additional options.

Output Mode

Selects output channel & PAL I /BG options.

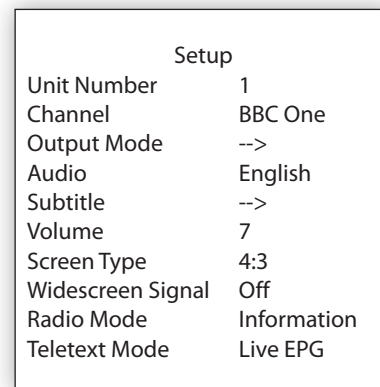
Outputs are in UHF band and adjacent channel outputs are not available.

- Press ENTER to select Output Mode menu.
- Press right/left arrow for desired transmission system.
- Press down arrow to the RF Output and ENTER output channel menu.
- Press the arrow buttons to the desired output channel and ENTER to select..
- Press MENU to return to Setup menu.
- Press down arrow for additional options.

Audio

Language selection for Audio (where multiple languages sent).

- Press right arrow for desired language.
- Press down arrow for additional options.



Settings "Setup"

Subtitle

Choice of language for subtitles in two levels with DVB subtitling option.

- Press ENTER for Subtitle menu.
- Press right / left to select.
- Press down arrow for Subtitle Aux (optional if first choice unavailable).
- Press right / left arrow to select.
- Press down arrow to DVB Subtitle and use right / left arrow to select On or OFF (DVB subtitles depend on broadcaster).
- Press MENU to save and return to the Setup menu.
- Press down arrow for additional options.

Volume

Selection of Volume output level.

- Press right / left arrow for desired level.
- Press down arrow for additional options.

Screen Type

Picture format setting (default Letterbox).

- Press right arrow for desired selection.
- Press down arrow for additional options.

Widescreen Signal

Wide Screen Signal selection (default On).

- Press right arrow for desired selection.
- Press down arrow for additional options.

Radio Mode

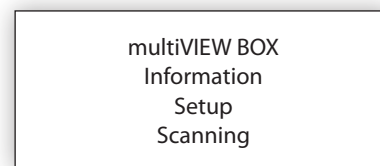
Option to display static name or variable name on screen if radio channel selected.

- Press right arrow for desired selection.
- Press down arrow for additional options.

Teletext Mode

Selection of Teletext mode. Live Teletext (if transmitted) or Live EPG converts DVB EPG to Teletext EPG.

- Press right arrow for desired selection.
- Press down arrow for additional options.



A screenshot of the Setup menu. The text is as follows:

	Setup
System	Europa
Unit Number	1
Channel	SVT 1
Output Mode	-->
Audio	Swedish
Subtitle	-->
Volume	7
Screen Type	4:3
Widescreen Signal	Off
Radio Mode	Information
Teletext Mode	Live Teletext

Software Updating

Connecting & Download

9 pin D-sub for direct connection with standard null modem cable. Used for downloading software, which is connected directly between the PC and the receiver. SatEdit program used for downloading the new software.

Displaying Test Cards

Multiview is pre-loaded with two test cards to help with installation & setup

Note: Test Cards are shown on all Multiview outputs at same time

- Press MENU to enter Menu mode.
- Press UP/DOWN on front panel at same time to show first Test Card (two white vertical bars on a black background and a 1 kHz audio test signal).
- Press Up/Down on front panel at same time to show 2nd Test Card (Colour Bars with no audio).
- Press Up/Down on front panel at same time to show normal picture.
- Press MENU to exit Menu option.

Factory Reset

Resetting to default factory settings

- Press MENU to enter Menu mode.
- Press LEFT/RIGHT on front panel at same time to show Factory Reset.
- Scroll down to "Yes" and press ENTER
- receiver will erase all settings and re-initialise with default settings.

Technical Specification	
view overset text	
3 x DVB-tuner/demodulator (Intel)	
Frequency Range	170~230MHz, 470~860 MHz
Modulation	COFDM 2k, 8k
Input Level	59~74 dB μ V (-35 till -50 dBm)
Input Impedence	75 Ohm
Connector	IEC Female
Noise Figure Typical	7 dB
Bandwidth	8 MHz
IF center frequency	36,167 MHz
MPEG II format	
Standard	MP@ML PAL
Aspect Ratio	4:3, 16:9 Automatic
RF Output	
5 x RF modulators with Built in Combiner & Amplifier	
Frequency Range	470~860 MHz (E21-E69)
Standard	PAL-I/BG
Connector	F Female
Output Level Typical	94 dB μ V
Video Purity (Intermod. & Spurious)	Min 50 dBc
GSM Band Rejection	Typical 35 dB
RF Loop	470~860 MHz Loop input for Analogue/Digital compatible equipment on network
Feedthrough Gain	5.5 dB
Distortion (ripple) max	4.5 dB
Return loss typical	8.9 dB
Serial Connector	9-pin "male" connector for software upgrades (115200, 8, N, 1)
Front Panel	Buttons for: Menu, Enter, Down, Up, Left, Right and Reset
Power	12 V 1.25 A, 15 W
Other	
Dimension	250x200x60 mm
Weight	1.65 kg
Status Indicator	On = OK, Flash 1s Lock Lost, Flash 500ms Menu, Flash 250ms Scanning
Accessories	Remote Control for easy programming

